

SPECIAL POPULATIONS ORAL HEALTH SURVEY NEVADA 2008

Department of Health and Human Services Nevada State Health Division Bureau of Family Health Services

Jim Gibbons Governor

Michael J. Willden, Director Department of Health and Human Services Richard Whitley, MS, Administrator Nevada State Health Division

> Mary Guinan, MD, PhD Acting State Health Officer

ACKNOWLEDGEMENTS

Project Leads

Marcia M. Ditmyer, PhD, CHES Darla J. Doerfler

University of Nevada, Las Vegas
School of Dental Medicine
University of Nevada, Las Vegas
School of Dental Medicine

Nancy Knox, MSW
Mildred A. McClain, PhD
Regional Director
University of Nevada, Las Vegas
Desert Regional Center
School of Dental Medicine

Connie C. Mobley, PhD, RD Rena Nora, MD

University of Nevada, Las Vegas Governor's Commission on Mental School of Dental Medicine Health and Developmental Services

R. Michael Sanders, DMD, EdM Mary Jo Solon, MSN, BSN, RN

University of Nevada, Las Vegas Director of Nursing

School of Dental Medicine Rawson-Neal Psychiatric Hospital

Susan Yates-Chambers, RN Winnie Wong, BS
Director of Nursing DRC Supervisor

Desert Regional Center Desert Regional Center

University of Nevada, Las Vegas School of Dental Medicine Faculty Supervisors

Francis M. Curd, DDS Kenneth Duffie, DDS

Bernard Hurlbut, DDS

R. Michael Sanders, DMD, EdM

Professor of Clinical Sciences

Assistant Professor in Residence Professor of Clinical Sciences

Clinical Sciences

Wendy Woodall, DDS Assistant Professor of Clinical Sciences

University of Nevada, Las Vegas School of Dental Medicine Student Screeners and Recorders

Genevieve Allen Tom Atkin Nick Azar **Todd Baggaley** Rodolfo Barbosa Nathan Bartschi Ryan Bateman **Brad Belt** Steve Bennett Russell Bird Paul Bitar KC Black Chris Blanco Randy Blair Crystal Borham Clint Brodal Caroline Carruth Angela Catalano Todd Christensen Jay Davis Ryan Davis Sara Deylamipour Pat Dibble Rana Faranesh Michael Flores Brian Freeman **David Gary Justin Gonzales** Sarah Goodin Jennifer Greenhalgh

Ryan Hart Susan Haynes Maggie Heinen Mario Herrejon Brenda Herrera **Emily Holland** Carson Hopkins Frederick John Cody Johnson Devin Johnson Trevor Keele Nicole Lam Adam Lousig-Nont Troy Lundell Melina Martinez **Brad Martinsen** Mindy McConnell Mike McKinney Kyle Mortensen Shokofeh Motlagh **Brady Nance** Shannon Olson Kieth Packer Sarika Patel Joseph Paventy Spencer Phippen David Pressutti Ashton Prince Arash Rafailzadeh Jeff Redlinger

Mona Rezapour Adam Rivera Callisto Rojas Jeremy Salvatierra Johnathan Scott Mary Shehata Troy Slade Burke Soffe Jeff Suffoletta Aaron Swapp Ben Tingey Amy Tongsiri Justin Tooke Sean Tran Maryann Udy Armand Virtuoso Amelia Wang Ana Weber Darren Webber Izabella Wells Blair Wilkes Josh Willard Joe Wilson Korri Wipperman Alicia Wolf

Korri Wippermar Alicia Wolf Jennifer Wolfley Sandra Yu Wenlian Zhou

Nevada State Health Division Basic Screening Survey Team

<u>Project Lead</u> <u>Logistics</u>

Lori Cofano, RDH, BSDH Dennis Murphy, MS

Fluoridation Specialist/Oral Health Screening Information and Education Officer Coordinator Nevada State Health Division

Nevada State Health Division

Nevada State Health Division

Bureau of Family Health Services

Bureau of Family Health Services Oral Health Program
Oral Health Program

Project Evaluation Data Analyst

Deborah Aquino Jim Jordan, MS Evaluation Consultant Biostatistician

Nevada State Health Division

Bureau of Family Health Services

Nevada State Health Division

Bureau of Family Health Services

Oral Health Program Oral Health Program

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Comments, suggestions, and requests for further information may be addressed to:

Oral Health Program
Bureau of Family Health Services
Nevada State Health Division
3427 Goni Road, Suite 108
Carson City, NV 89706
TEL: (775) 684-4285

FAX: (775) 684-4245

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Executive Summary

In 2000 a report was issued detailing the significance of oral health in all its aspects. *Oral Health in America, A Report of the Surgeon General*, was a milestone and explained the meaning of oral health and alerted Americans to the importance of the health or the oral cavity to general health. The report documents the fact that the mouth and teeth are integral to human health and well being. As such, oral health means more than healthy teeth and gums. We use our mouths to express our thoughts, our feelings; we talk, we sing and we provide our bodies with nutrition. When we lose the functions of the mouth and teeth we lose our health. There are recent studies looking at how oral infections may adversely affect chronic diseases such as diabetes and heart disease. Changes in the oral cavity may be precursors or signs of physiological problems somewhere else in the body. The mouth provides a window to the health of the entire body.

At the request of the Governor's Commission on Mental Health and Developmental Services, in the fall of 2007 the Nevada State Health Division Oral Health Program, University of Nevada, Las Vegas (UNLV) School of Dental Medicine (SDM), Desert Regional Center (DRC), and Rawson Neal Psychiatric Hospital (RNPH) partnered to conduct an oral health needs assessment of DRC and RNPH clients.

The goals of the needs assessment were to:

- Improve the health of the individuals who participated by identifying those who were in need of oral health services;
- Pilot the data collection process with a small group so that lessons learned could be applied to future oral health surveys;
- Collect data that could be used to improve the oral health of individuals with special needs through program planning, advocacy and evaluation;
- Provide dental students with an opportunity to work with clients with special needs and determine if doing so impacted their attitude about working with these populations.

The needs assessment found that clients of DRC and RNPH have significant untreated oral health needs. Sixty-five percent of DRC clients had visible untreated tooth decay. At RNPH, 68 percent of the clients screened had visible untreated tooth decay. At the time they were screened 20 percent of the clients at DRC reported having pain in their mouth. At RNPH, 24 percent reported having pain.

The screenings also found that lack of insurance may not necessarily be the reason why clients are not accessing needed dental services. At DRC, 71 percent of the clients who had dental insurance also had visible untreated tooth decay. In addition, the screenings may help dispel the myth that individuals with mental or developmental disabilities are "too hard to treat" in a traditional dental office setting. Of clients screened from DRC, 90 percent were "not difficult, or only "mildly difficult" to screen and all clients from RNPH were classified by the dental students as "not difficult."

These findings highlight the need to more carefully address the oral health needs of the clients at DRC and RNPH. They also highlight opportunities to do so including:

- Establishing memorandums of agreement with local dental and dental hygiene schools;
- Integrating rotations at these facilities as a standard part of their curricula;
- Conducting in-service training so staff can screen and appropriately refer clients for necessary dental care;
- Investigating the development of continuing education or mini-residency training for general practice dentists to increase their comfort level when treating these population groups;
- Advocating for Medicaid and other public/private insurance coverage of basic preventive and restorative oral health services for individuals with mental and/or developmental disabilities.

INTRODUCTION

Preparation for the 2007 Basic Screening Survey (BSS) of Special Needs Populations (SNP) began in May of 2005 when the State Oral Health Advisory Committee (OHAC) established a workgroup to examine ways to improve services for special needs populations. The OHAC workgroup began working with the Governor's Commission on Mental Health & Developmental Services in May of 2006. An initial request from the Governor's Commission was that data be collected on the oral health needs of clients served by the Nevada Division of Mental Health and Developmental Services. The members of the Governor's Commission acknowledged the data would not be representative of all individuals with special needs or even of all clients served by the Nevada Division of Mental Health and Developmental Services; however they still felt the data would have value and should be collected.

In April of 2007 the Oral Health Program convened a group of individuals interested in pursuing a BSS of the special needs population. The workgroup consisted of the following representatives: four University of Nevada, Las Vegas (UNLV) School of Dental Medicine (SDM) faculty; one representative of the Nevada Dental Association (NDA); one member of the Governor's Commission on Mental Health & Developmental Services; the Program Manager of the Nevada State Health Division Oral Health Program; the Oral Health Program Screening Coordinator (OHSC); the Oral Health Program Biostatistician (OHB); and the Director of Desert Regional Center (DRC), a facility that supports people with developmental disabilities in their efforts to live, work, and recreate in the community.

The workgroup identified several goals for the SNP BSS. The first was to improve the health of the individuals who participated by identifying those who were in need of oral health services. The second goal was to pilot the data collection process with a small group so that lessons learned could be applied to future oral health surveys. The third goal was to collect data that could be used to improve the oral health of individuals with special needs through program planning, advocacy and evaluation. The final goal was to provide dental students with an opportunity to work with clients with special needs and determine if doing so impacted their attitude about working with these populations.

During the fall of 2007 Nevada State Health Division Oral Health Program teamed with the UNLV SDM, DRC, and the Rawson-Neal Psychiatric Hospital (RNPH) all located in Las Vegas, to perform an oral health screening of some of the clients served by DRC and RNPH. Data collection would be done by dental students from the UNLV SDM under supervision of faculty members who are licensed dentists. The OHSC and OHB would provide assistance with organization and data analysis. The Association of State and Territorial Dental Directors (ASTDD) *Basic Screening Surveys: An Approach to Monitoring Community Oral Health, 1999* would be the guideline used for the screenings and data collection.

SAMPLING & METHODOLOGY

Protection of Human Subjects

The University of Nevada, Las Vegas Institutional Review Board (UNLV IRB) approved this project according to authorized federal guidelines to ensure the protection of the participants in this study. There review ensured that all subjects were adequately informed of the nature of the project, the extent of associated benefits and minimal risk, and their voluntary rights at any time during the project to terminate participation. Informed consent and assent forms were approved, documented, and recorded with the IRB.

Sampling Scheme:

For this surveillance project convenience sampling was utilized. The results of this BSS are descriptive of those screened and not inferential; in other words the results from the sample do not generalize to the larger population.

In theory, all clients of DRC, 1,000 off-campus and 54 on-campus, were eligible for the screening. In practice, only individuals who expressed a willingness to participate and who were accessible with appropriate consent authorization were included in the openmouth screenings. RNPH provides short-term inpatient psychiatric treatment to approximately 190 patients at any one time. The average stay for these patients is 21 days. Prior to each RNPH patient being screened, their competency was evaluated by a staff psychiatrist. Individuals that were unable to give informed consent; those that were unwilling to participate as well as those who were identified as actively psychotic or who exhibited explosive behaviors were excluded from the screenings.

Calibration:

Due to logistics and unlike the previous BSS projects, the calibration was accomplished using only a PowerPoint® presentation rather than using the presentation in conjunction with hands-on calibration sessions utilizing the population to be screened. The SNP BSS workgroup agreed to this arrangement. In September 2007, just prior to the first screenings, the calibration session was held for fourth-year dental students at the UNLV SDM using a calibration PowerPoint® created by a UNLV SDM staff member in consultation with the OHSC.

Data Collected:

All information gathered in the screening was numerically coded and kept completely confidential. Subjects were assigned a coded identifier and the code key was stored in a locked cabinet at the UNLV SDM.

The ASTDD Basic Screening Surveys: An Approach to Monitoring Community Oral Health, 1999 guidelines have been followed for the five previous BSS projects in Nevada. The demographic and health questionnaire used for Nevada's 2007 Special Needs oral health screening was based on the ASTDD publication. The following demographic information was collected:

Date of BirthEducation

Gender

Race/Ethnicity

In addition, the following health-related data was collected:

- Smoking history
- Main reason for last dental visit
- Dental insurance status
- Length of time since last dental visit
- Medical insurance status
- Accessibility of needed dental care in past year
- If applicable, reason dental care was inaccessible
- Client's current medications
- Client's International Diagnosis Codes

The open-mouth screenings were completed by the UNLV SDM students using flashlights, disposable gloves, disposable mirrors, and cotton-tipped applicators (when necessary to remove debris). A second dental student recorded the results for each screening using a paper form. The condition of the mouth was based on visible presence of the following:

- 1. Edentulism (loss of all natural teeth)
- 2. Caries (tooth decay) experience
- 3. Untreated decay
- 4. Missing teeth
- 5. Inflammation
- 6. Calculus (tartar)
- 7. Suspicious soft tissue lesions in the oral cavity

A Treatment Urgency Rating was also assigned to each client that was screened using the following criteria:

Unknown – client refused to participate – at the time of the oral health screening the client was asked if it was OK to look at their teeth, if the client said no then the screening was discontinued;

Urgent Care (Pain, Swelling present, or Suspicious lesion) – signs or symptoms that include pain, infection, swelling or soft tissue ulceration of more than two week duration (determined by questioning);

Needs Restorative Care – visible caries without accompanying signs or symptoms, individuals with spontaneous bleeding of the gums, or suspicious white or red soft tissue areas;

No Obvious Problem/Needs Routine Preventive Care – participant without the above problems.

The information from the data sheets were recorded into a Microsoft Access database by the OHB and the data sheets were then returned to the UNLV SDM for secure storage.

Statistical Analysis:

The data file was imported to SAS for analysis. As the data was a sample of convenience the results must be used cautiously as they may not reflect the entire populations served by either DRC or RNPH. A confidence interval is provided, primarily to give an indication of spread and should be used with the understanding that the data is not based on a valid statistical sample. Due to rounding, the percentages may not total 100 percent.

KEY FINDINGS

Desert Regional Center (n= 111)

- 65 percent of DRC clients had visible untreated decay
- 6 percent of DRC clients had suspicious soft tissue lesions
- 20 percent of DRC clients currently had pain in their mouth
- 9 percent of DRC clients needed urgent care
- 79 percent of DRC clients had visible calculus
- 54 percent of DRC clients have dental insurance
- 71 percent of DRC clients with dental insurance had visible untreated decay
- 42 percent of DRC clients with insurance have not seen a dentist in the last year
- 46 percent of DRC clients who had trouble accessing dental care in the last year, had dental insurance
- 90 percent of DRC clients were "not" or only "mildly difficult to screen"

Rawson Neal Psychiatric Hospital (n=38)

- 82 percent of RNPH clients have not been to the dentist in the past year
- 68 percent of RNPH clients had visible untreated decay
- 24 percent of RNPH clients currently had pain in their mouth
- 5 percent of RNPH clients needed urgent care
- 89 percent of RNPH clients had visible calculus
- 86 percent of RNPH clients do not have dental insurance
- 100 percent of RNPH clients were "not difficult to screen"

HEALTHY PEOPLE 2010

Healthy People 2010 is a set of health objectives for the nation to achieve over the first decade of the new century. The Healthy People 2010 initiative lists 17 specific oral health objectives to prevent and control oral diseases and reduce oral health disparities. Healthy People 2010 objectives include three oral health indices for adults age 35 to 44. They are:

- Decrease the proportion of adults with untreated dental decay to 15 percent;
- Increase the portion of adults who have never had a permanent tooth extracted because of dental caries or periodontal (gum) disease to 42 percent;
- Decrease the presence of gingivitis (inflammation of the gums) in adults to 41 percent.

The following three charts compare the rate of untreated decay, missing teeth and inflammation of adults in two of Nevada's mental health and developmental services programs (average age 37 years) to *Healthy People 2010* objectives. These charts clearly demonstrate the gap in achieving the *Healthy People 2010* objectives in this small sample.



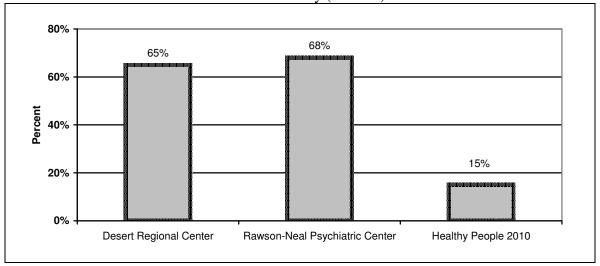


Figure 2. Comparison of Special Needs Participants to Healthy People 2010 Goal No Missing Teeth (n = 149)

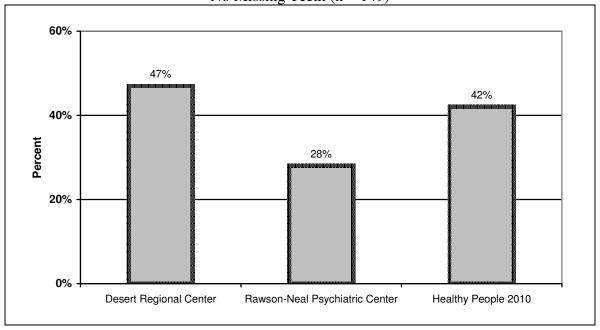
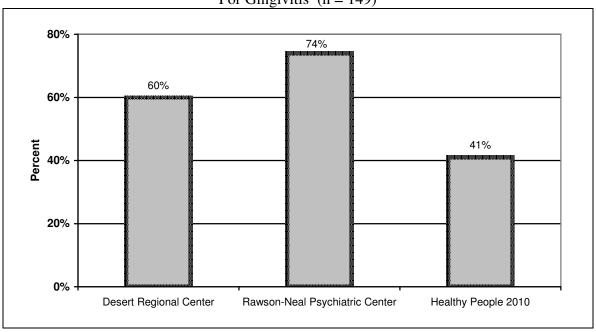


Figure 3. Comparison of Special Needs Participants to Healthy People 2010 Goal For Gingivitis (n = 149)



RESULTS

Overall

Two Nevada state agencies, DRC and RNPH teamed with the Nevada State Health Division Oral Health Program, UNLV SDM, and the Governor's Commission on Mental Health & Developmental Services to conduct the SNP BSS. There were 157 clients from DRC and RNPH that agreed to participate. The clients arrived to their scheduled screening with a demographic/oral health questionnaire filled out. During the screening a dental student asked two additional oral health questions; "How often do you clean your mouth?" and "Do you have pain inside your mouth?" They then asked for permission to look at the client's teeth. Any client who refused permission would then exit the screening. All data collected from those clients who refused permission, or questions that were not answered, are treated as missing data and not factored into this report. Detailed results can be found in the tables included in the appendix at the end of this report.

The overall demographics of the 149 clients who agreed to be screened shows that they were primarily white (68%), male (58%) whose average age was 37 years and had an education level of high school or less (90%).

Fifteen percent of the participants indicated it had been more than three years since they had last visited a dentist or that they had never been to a dentist. Fifty-three percent of the participants indicated they had been seen by a dentist or been to a dental clinic within the past year.

Forty-four percent indicated they had some type of dental insurance including Medicaid. Sixty-six percent of those screened had visible untreated decay and 82 percent had visible calculus.

Participants were asked if, in the past year, there was a time when they needed dental care but could not obtain it; 38 percent of the participants responded "Yes." The two major reasons for not being able to obtain dental care were "Could not afford it" and "No Insurance."

Table 1. Combined Results from Desert Regional Center and Rawson-Neal Psychiatric Hospital (n = 149)

| Combined Results | Percentage |
|--|------------|
| Treatment urgency of "Needs restorative care" or "Urgent care" | 62% |
| Male (1) | 58% |
| White | 68% |
| Education level of high school or less | 90% |
| More than three years since last dental visit or had never been to | 15% |
| dentist | |
| Seen a dentist or been to a dental clinic in past year | 53% |
| Participants with dental insurance, including Medicaid | 44% |

| Participants with visible untreated decay | 66% |
|--|-----|
| Participants with visible calculus | 82% |
| Participants in need of dental care within the past year, but unable to obtain treatment (2) | 38% |

- (1) The average age of participants was 37 years.
- (2) The two most frequent reasons for not being able to obtain dental care were "Could not afford it" and "No Insurance."

There were 111 clients from the Desert Regional Center and 38 clients from the Rawson-Neal Hospital, both in Las Vegas, Nevada, that agreed to participate in the special needs screening. Table 2 is a comparison of the two agencies. Each agency is summarized in more detail later in this report.

Table 2. Comparison of Results from Desert Regional Center and Rawson-Neal Psychiatric Hospital (n = 149)

| 1 sycinatric Hospitar (ii = 1+7) | Desert | Rawson-Neal |
|--|----------|--------------------|
| D 1 | | |
| Results | Regional | Psychiatric |
| | Center | Hospital |
| Treatment urgency of "Needs restorative care" | | |
| or "Urgent care" | 60% | 79% |
| More than three years since last dental visit or | | |
| had never been to dentist | 9% | 33% |
| Seen a dentist or been to a dental clinic in past | | |
| year | 65% | 19% |
| Needed dental care within past year, but | | |
| unable to obtain treatment (1) | 28% | 63% |
| Dental insurance coverage, including Medicaid | 54% | 14% |
| Previous caries experience | 83% | 89% |
| Visible untreated decay | 65% | 68% |
| Visible calculus | 79% | 89% |
| Gingival (gum) inflammation | 60% | 74% |
| Soft tissue lesion | 6% | (1 participant) |
| Participants indicating pain in their mouth | 20% | 24% |
| Missing one or more of their natural teeth | 53% | 72% |
| Edentulous (missing all of their natural teeth) | 7% | 8% |
| Indicated clean their mouth one or more times | 83% | 87% |
| per day | | |
| Percent of participants who were not difficult to screen | 76% | 100% |

(1) The two most frequent reasons for not being able to obtain dental care were "Could not afford it" and "No Insurance."

Desert Regional Center

DRC provides services to approximately 54 in-patient clients and an additional 1,000 clients who reside in group homes in the Las Vegas area. The staff from DRC solicited their clients to participate in the oral health screenings. The oral health screenings were provided at DRC by fourth year dental students from the UNLV SDM on seven Saturdays in the fall of 2007. Saturday was the day agreed upon during the initial planning process; however it was found to be a less than ideal day for DRC clients resulting in only 111 clients participating in the screening. A narrative summary of the results follows and a tabular summary can be found in the Appendix at the end of this report.

Desert Regional Center - Summary of Demographic Questionnaire:

The DRC clients who were screened during the SNP BSS were on average 36 years old, predominantly white (70%), male (56%), with 44 percent having a high school level education or greater Out of the participants that responded to the question, a very high percentage of DRC participants (86%) indicated that they have never smoked and only ten percent identified themselves as current smokers. Data pertaining to smoking history may be questionable, as 38 percent of the DRC participants did not respond to the question. The large number of non-responses may be due to the design of the questionnaire and not a refusal by the participants to answer.

A large portion of DRC clients who participated in the SNP BSS had recently been to a dentist or dental clinic.

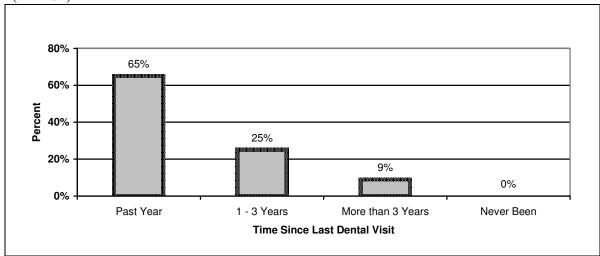


Figure 4. Desert Regional Center - Time since Last Visit to Dentist or Dental Clinic (n = 107)

Of the DRC participants that responded (n=107) to the question about length of time since they last visited a dentist or dental clinic, 90 percent indicated that it had been three years or less. When asked if they had insurance that would help with some or all of their

dental care, including Medicaid, 54 percent answered yes. Twenty-eight percent of the participants indicated that there was a time in the past 12 months that they needed dental care but were not able to obtain it. The top three reasons identified were "Could not afford," "No Insurance" and "Dentist would not accept Medicaid insurance."

Desert Regional Center - Summary Screening Results:

Of those screened, 83 percent had caries experience and 65 percent presented mouths with visible untreated decay. Sixty percent of the DRC participants required some level of restorative care. Suspicious soft tissue lesions were found in six percent of the participants screened and 20 percent of those screened responded they currently had pain in their mouth.

Based on the screening, six percent of the DRC participants were edentulous and 53 percent were missing one or more of their permanent teeth. Inflammation of the gums was present in 60 percent of the participants and 79 percent had visible calculus. When asked how often they cleaned their mouth, 83 percent of the DRC participants indicated they clean their mouth one or more times a day.

Among those who agreed to participate in the SNP BSS (n=111), 40 percent did not present any obvious oral health problems, 60 percent needed restorative care, including nine percent who needed urgent care.

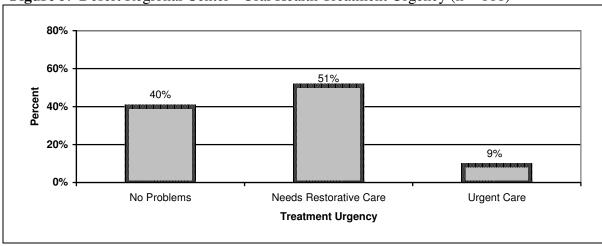


Figure 5. Desert Regional Center - Oral Health Treatment Urgency (n = 111)

Following the oral health screening each dental student was asked to indicate the degree of difficulty in performing the screenings. The dental students identified 76 percent of the screenings as not being difficult and 14 percent as being mildly difficult.

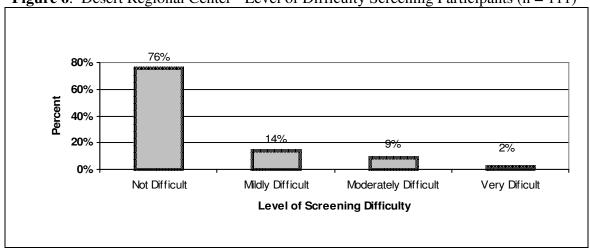


Figure 6. Desert Regional Center - Level of Difficulty Screening Participants (n = 111)

Desert Regional Center -Summary by Availability Dental Insurance

There were 58 participants from DRC who indicated they had dental insurance (including Medicaid) and 49 who indicated they did not have insurance that would cover dental care. Minority participants had a higher percentage of dental coverage than the White/non-Hispanic participants (63% vs. 50% respectively).

Surprisingly, those participants from DRC without dental insurance were more likely to access dental care in the past year than those with dental insurance.

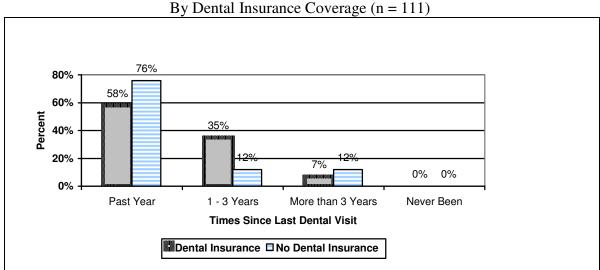
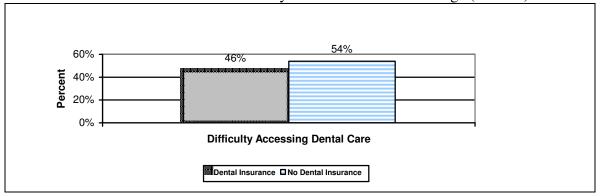


Figure 7. Desert Regional Center – Time Since Last Visit to Dentist or Dental Clinic By Dental Insurance Coverage (n = 111)

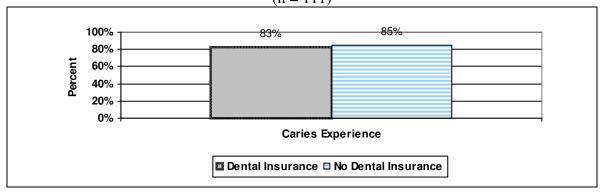
Forty-six percent of those who reported that they had difficulty accessing dental care when they needed it had dental insurance.

Figure 8. Desert Regional Center – Percent of Participants Having Difficulty Accessing Dental Care in Past 12 Months by Dental Insurance Coverage (n = 111)



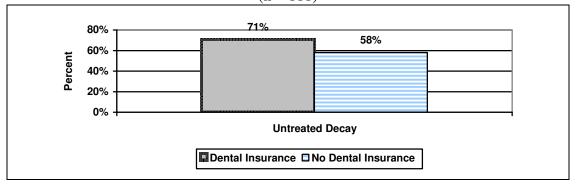
Eighty-five percent of those without dental insurance were found to have caries experience versus 83 percent of those with dental insurance.

Figure 9. Desert Regional Center – Caries Experience by Dental Insurance Coverage (n = 111)



Of note is 71 percent of those with dental insurance had untreated decay versus 58 percent of the uninsured.

Figure 10. Desert Regional Center – Untreated Decay by Dental Insurance Coverage (n = 111)



Again, surprisingly 64 percent of the DRC participants with dental insurance required some level of oral health care compared to 55 percent for those DRC participants without dental insurance.

80%
60%
40%
20%
No Obvious Problem
Needs Restorative Care
Treatment Urgency

Dental Insurance
No Dental Insurance

Figure 11. Desert Regional Center - Treatment Urgency by Dental Insurance Coverage (n = 111)

Desert Regional Center – Summary by Race

There were multiple races included in this screening, White, Asian, Black/African American, Native Hawaiian/Pacific Islander, Hispanic, and American Indian. Due to small sample sizes, the race/ethnicity groups were collapsed into two categories, White (n=76) and Minority (n=35).

Ninety-two percent of White DRC clients screened had been to the dentist in the last three years compared to 87 percent of Minority clients.

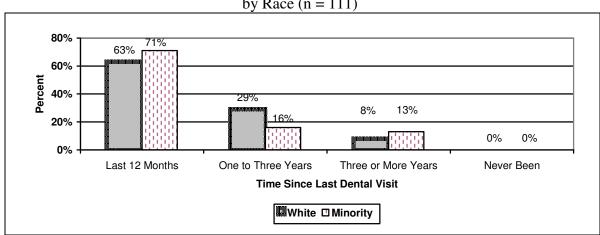


Figure 12. Desert Regional Center – Time Since Last Visit to a Dentist or Dental Clinic by Race (n = 111)

A larger percentage of Minority participants reported having dental insurance (63%) than the White participants (50%). Thirty-seven percent (11 of 30) of the Minority participants reported difficulty accessing dental care in the past year compared with 26 percent (18 of 70) of the White participants.

The caries experience rate was slightly higher for White participants (86%) than for Minority participants (80%). Minority participants had a higher untreated decay rate of 72 percent versus 63 percent for White participants.

Seven percent of White participants and nine percent of Minority participants from DRC were edentulous. Fifty-seven percent of the White participants were missing one or more permanent teeth, as were 45 percent of Minority participants.

Minority participants from DRC were more likely to be identified as needing urgent oral health care than White participants.

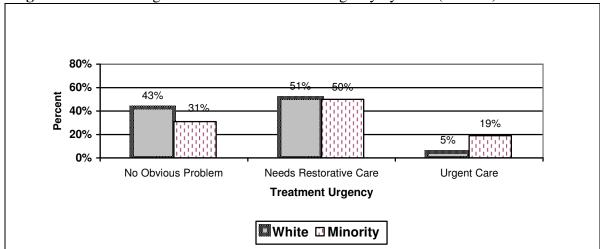


Figure 13. Desert Regional Center - Treatment Urgency by Race (n = 111)

Rawson-Neal Psychiatric Hospital

RNPH is a 190 bed facility that provides short-term in-patient psychiatric services in the Las Vegas area. Staff psychiatrists from RNPH screened patients to determine if they would be viable candidates for an oral health screening. Candidates who met certain requirements were then solicited to participate in the screening process. This resulted in 41 clients who initially agreed to participate. Of these, when it came time to actually conduct the screenings, 38 actually consented to being screened. The oral health screenings were provided at RNPH by fourth year dental students from the UNLV SDM on two Saturdays in December of 2007. A narrative summary of the results follows and a tabular summary can be found in the Appendix at the end of this report.

Rawson-Neal Psychiatric Hospital - Summary of Demographic Questionnaire:

The 38 RNPH clients who were screened for the SNP BSS were on average 41 years old, predominantly white (63%), male (63%), with a high school level education or greater (79%). Out of the participants who responded (n=29), a very high percentage of RNPH clients (79%) indicated that they had never smoked or had quit smoking. Data pertaining to smoking history may be questionable, as 24 percent of RNPH participants did not respond to the question. The large number of non-responses may be due to the design of the questionnaire and not a refusal by the participants to answer.

Only a small proportion of the RNPH clients that participated in the oral health screening had been to a dentist or dental clinic in the past year.

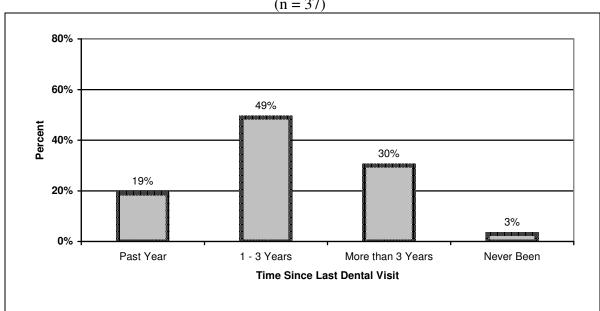


Figure 14. Rawson-Neal Hospital - Time Since Last Visit to Dentist or Dental Clinic (n = 37)

Of the RNPH participants that responded (n=37) to the question about length of time since they last visited a dentist or dental clinic, only 19 percent (n=7) indicated they had a dental visit in the past year and 33 percent (n=12) indicated they had never been to a dentist or it had been more than three years since they had seen a dentist. When asked if they had insurance that would help with some or all of their dental care, including Medicaid, only 15 percent (n=6) said yes. Sixty-three percent (n=25) of the participants indicated there was a time in the past 12 months that they needed dental care but were not able to obtain it. The top two reasons identified were "Could not afford," and "No Insurance."

Rawson-Neal Psychiatric Hospital - Summary Screening Results:

Of those screened, 89 percent had caries experience while 68 percent presented with visible untreated decay. The vast majority of RNPH participants were identified as needing restorative care (79%), including five percent who needed urgent care. One participant from RNPH had a suspicious soft tissue lesion and 24 percent of those screened responded they currently had pain in their mouth.

Based on the screening, eight percent of the RNPH participants were edentulous and 72 percent were missing one or more of their permanent teeth. Inflammation of the gums was present in 74 percent of the participants and 89 percent had visible calculus. When asked how often they cleaned their mouth, 87 percent indicated they cleaned their mouth one or more times a day.

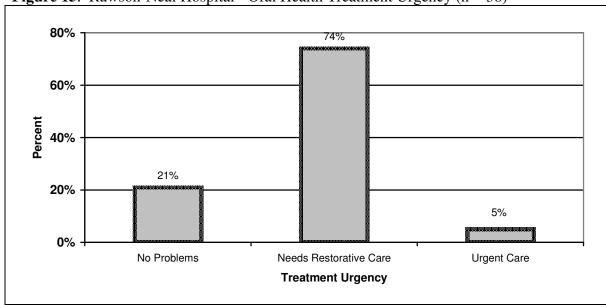


Figure 15. Rawson-Neal Hospital - Oral Health Treatment Urgency (n = 38)

It was not difficult for dental students from the UNLV SDM to perform an oral health screening on the RNPH participants. Following the oral health screening each dental student was asked to indicate the degree of difficulty in performing the screenings. The dental students did not identify any of the RNPH participants as being difficult. This may be attributed to the pre-screening process the RNPH staff employed to identify potential screening candidates.

Rawson-Neal Psychiatric Hospital – Summary by Availability of Dental Insurance

There were only five RNPH participants who indicated they had dental insurance (14%) and 31 (86%) who indicated that they did not have dental insurance. Due to the small number of RNPH participants a summary of the results is not included. Tables with the results can be found in the Appendix at the end of this report.

Rawson-Neal Psychiatric Hospital – Summary by Race

There were multiple races included in this screening, White, Asian, Black/African American, Native Hawaiian/Pacific Islander, and Hispanic. Due to the small sample sizes, the race/ethnicity groups were collapsed into two categories, White (n=24), and Minority (n=14).

Sixty-two percent of White RNPH clients screened had been to the dentist or a dental clinic within the last three years compared to 76 percent of Minority participants.

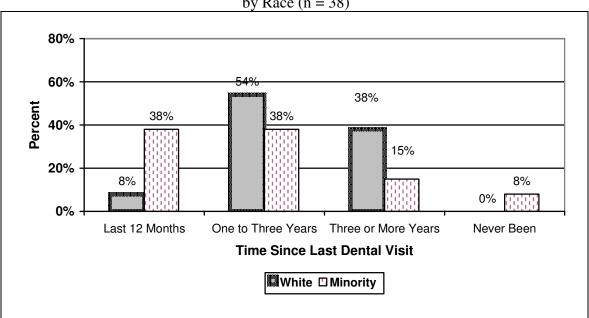


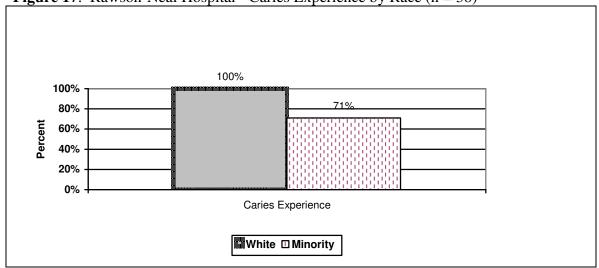
Figure 16. Rawson-Neal Hospital – Time Since Last Visit to a Dentist or Dental Clinic by Race (n = 38)

A larger percentage of Minority participants reported having dental insurance (23%) than the White participants (9%). Fifty-three percent (7 of 13) of the Minority participants

had difficulty getting dental care in the past year when needed compared to 67% (16 of 24) of the White participants.

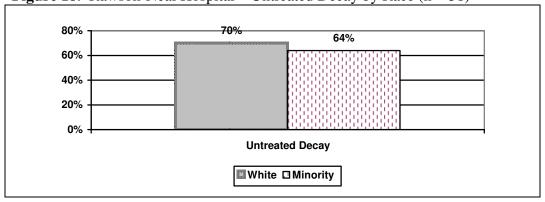
The caries experience rate was higher for the White participants (100%) than for the Minority participants (71%).

Figure 17. Rawson-Neal Hospital - Caries Experience by Race (n = 38)

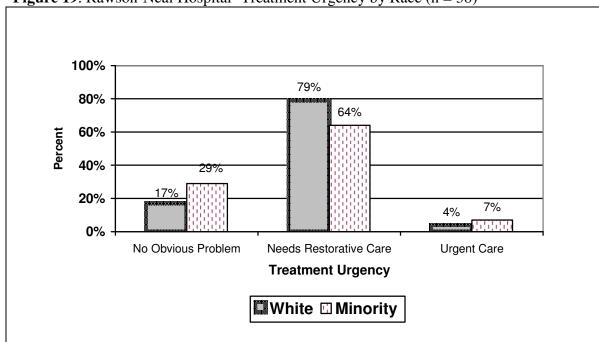


Untreated decay was high for both racial groups from RNPH (White = 70%, Minority = 64%).

Figure 18. Rawson-Neal Hospital – Untreated Decay by Race (n = 38)



White participants from RNPH were more likely to need some level of oral health care than Minority participants.



RECOMMENDATIONS

There is a significant need to make oral health care more readily available to the clients served by organizations such as Desert Regional Center and the Rawson-Neal Psychiatric Hospital.

Organizations that treat clients with mental and/or developmental disabilities should investigate establishing memorandums of agreement with local dental and dental hygiene schools.

The dental school and dental hygiene programs should integrate rotations at these facilities as a standard part of their curricula.

Organizations such as Desert Regional Center and Rawson-Neal Psychiatric Hospital may wish to conduct in-service training so staff can screen and appropriately refer clients for necessary dental care.

Stakeholders should investigate the development of continuing education or miniresidency training for general practice dentists to increase their comfort level when treating these population groups.

Medicaid and other public/private insurances should cover basic preventive and restorative oral health services for individuals with mental and/or developmental disabilities.

Appendix A – Data Tables

Data for Desert Regional Center

| Table 3. Desert Regional Center – Summary of Demographic Information | | | | | | | | | |
|--|-----|--------------|--|--|--|--|--|--|--|
| Demographic Characteristic Sample Size (1) % ± Cl (2) | | | | | | | | | |
| Age (average in years) | 111 | 36.1 yrs. ±3 | | | | | | | |
| Did not answer | 0 | | | | | | | | |
| By Gender | | | | | | | | | |
| Male | 62 | 56±9 | | | | | | | |
| Female | 49 | 44±9 | | | | | | | |
| Did not answer | 0 | | | | | | | | |
| By Race/Ethnicity | | | | | | | | | |
| White | 76 | 70±9 | | | | | | | |
| Minority | 35 | 31±9 | | | | | | | |
| Did not answer | 3 | | | | | | | | |
| By Education | | | | | | | | | |
| Less than High School | 54 | 55±10 | | | | | | | |
| High School graduate or G.E.D. | 44 | 44±10 | | | | | | | |
| Some Post High School | 0 | | | | | | | | |
| College graduate | 1 | 1±2 | | | | | | | |
| Did not answer | 12 | | | | | | | | |
| By Smoking | | | | | | | | | |
| Never smoked | 59 | 86±9 | | | | | | | |
| Quit smoking | 3 | 4±5 | | | | | | | |
| Currently smoke | 7 | 10±7 | | | | | | | |
| Did not answer ⁽³⁾ | 42 | | | | | | | | |
| By Medical Insurance | | | | | | | | | |
| Insured | 88 | 81±7 | | | | | | | |
| No insurance | 20 | 19±7 | | | | | | | |
| Did not answer | 3 | | | | | | | | |
| By Dental Insurance | | | | | | | | | |
| Insured | 58 | 54±10 | | | | | | | |
| No insurance | 49 | 46±10 | | | | | | | |
| Did not answer | 4 | | | | | | | | |

⁽¹⁾ Information from demographic questionnaire filled out prior to day of screening.

All entries without an answer are treated as missing data

⁽²⁾ Samples are not statistical but samples of convenience, confidence intervals (CI) provided only to give an indication of variability.

⁽³⁾ The large number of "Did not answer" may be due to the design of the questionnaire and not a refusal by the participant to answer.

| Table 4. Desert Regional Center – Summary of Oral Health Questions | | | | | | | |
|--|---|------------------------------------|--|--|--|--|--|
| Oral Health Questions | Sample Size (1) | % ± CI ⁽²⁾ | | | | | |
| How long since your last dental visit With in past year More than 1 year, no more than 3 years ago More than 3 years ago Never been to dentist | 70 27 10 0 | 65±9 25±8 9±6 | | | | | |
| Did not answer | 4 | | | | | | |
| Main reason for last dental visit Routine check-up or cleaning Called in by dentist for check-up or cleaning Something was wrong or hurting Follow-up visit from prior visit Other Never been to dentist Did not answer | 59 27 7 7 5 0 6 | 56±10 26±9 7±5 7±5 5±4 | | | | | |
| Difficulty accessing dental care Yes No Did not answer | 29 72 10 | 28±9 72±9 | | | | | |
| Reason for difficulty (3) Could not afford it No insurance Dentist did not accept Medicaid/insurance Speak a different language Wait is too long in clinic/office Health of another family member Difficulty in getting appointment No way to get there Didn't know where to go No dentist available Not a serious enough problem Dentist hours are not convenient Don't like/believe in dentists Other reason | 11 10 8 0 0 1 0 1 3 0 0 | | | | | | |

- (1) Information from demographic questionnaire filled out prior to day of screening intervals provided only to give an indication of variability.
- (2) Samples are not statistical but samples of convenience, confidence intervals (CI) provided only to give an indication of variability.
- (3) Only those who responded yes to question: "In the past year was there a time when you could not get dental care?" Respondent allowed to select multiple reasons.

All entries without an answer are treated as missing data

| Screening Results Sample Size (7) | Table 5. Desert Regional Center – Summary of Screening Results (1 of 2) | | | | | | | |
|---|---|--------------------|-----------------------|--|--|--|--|--|
| How often do you clean your mouth? (response to question) One or more times a day 2 to 6 times a week 4 4 4±4 | Screening Results | Sample Size (1) | % ± CI ⁽²⁾ | | | | | |
| 2 to 6 times a week 4 4±4 Once a week 3 3±3 Less than once a week 3 3±3 Not sure 8 7±5 Not recorded 4 4 Pain inside mouth? (response to question) 2 Yes 22 20±8 No 87 80±8 Not recorded 2 2 Where is pain? (for those with pain) (response to question) 11 79±23 Teeth 11 79±23 Other 3 21±23 Not recorded 8 8 Edentulous? (result from screening) 8 7±5 No 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 3 2±7 Yes 87 83±7 No 18 17±7 Not Recorded 6 6 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 7 7 No </td <td></td> <td></td> <td></td> | | | | | | | | |
| 2 to 6 times a week 4 4±4 Once a week 3 3±3 Less than once a week 3 3±3 Not sure 8 7±5 Not recorded 4 4 Pain inside mouth? (response to question) 2 Yes 22 20±8 No 87 80±8 Not recorded 2 2 Where is pain? (for those with pain) (response to question) 11 79±23 Teeth 11 79±23 Other 3 21±23 Not recorded 8 8 Edentulous? (result from screening) 8 7±5 No 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 3 2±7 Yes 87 83±7 No 18 17±7 Not Recorded 6 6 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 7 7 No </td <td></td> <td>89</td> <td>83±7</td> | | 89 | 83±7 | | | | | |
| Less than once a week 3 3±3 Not sure 8 7±5 Not recorded 4 4 Pain inside mouth? (response to question) 2 20±8 No 87 80±8 Not recorded 2 2 Where is pain? (for those with pain) (response to question) 11 79±23 Teeth 11 79±23 Other 3 21±23 Not recorded 8 7±5 Solution 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 8 7±5 No 18 17±7 Not Recorded 7 83±7 No 18 17±7 Not Recorded 7 6 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 7 Yes 55 53±10 No 49 47±10 No | | 4 | 4±4 | | | | | |
| Not sure 8 7±5 Not recorded 4 4 Pain inside mouth? (response to question) 2 20±8 Yes 22 20±8 No 87 80±8 Not recorded 2 2 Where is pain? (for those with pain) (response to question) 11 79±23 Teeth 11 79±23 Other 3 21±23 Not recorded 8 7±5 Solution 8 7±5 No 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 2 8 Yes 87 83±7 No 18 17±7 Not Recorded 6 65±9 No 36 35±9 Not Recorded 7 7 Inflammation? (result from screening) 7 Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes< | Once a week | 3 | 3±3 | | | | | |
| Not recorded 4 Pain inside mouth? (response to question) 22 20±8 No 87 80±8 Not recorded 2 Where is pain? (for those with pain) (response to question) 11 79±23 Teeth 11 79±23 Other 3 21±23 Not recorded 8 7±5 Edentulous? (result from screening) 2 Yes 8 7±5 No 101 93±5 Not recorded 2 Caries experience? (result from screening) 38 3±7 Yes 87 83±7 No 18 17±7 Not Recorded 6 6 6 Untreated decay? (result from screening) 7 7 Missing teeth? (result from screening) 7 7 No 49 47±10 Not Recorded 7 7 Inflammation? (result from screening) 7 Yes 55 53±10 No 49 47±10 No 39 40±10 | Less than once a week | 3 | 3±3 | | | | | |
| Pain inside mouth? (response to question) 22 20±8 No 87 80±8 Not recorded 2 Where is pain? (for those with pain) (response to question) 11 79±23 Teeth 3 21±23 Other 3 21±23 Not recorded 8 7±5 Redentulous? (result from screening) 8 7±5 No 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 Missing teeth? (result from screening) 7 Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | Not sure | 8 | 7±5 | | | | | |
| Yes 22 20±8 No 87 80±8 Not recorded 2 Where is pain? (for those with pain) (response to question) Teeth Teeth 11 79±23 Other 3 21±23 Not recorded 8 7±5 Edentulous? (result from screening) 8 7±5 No 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 65±9 No Recorded 7 7 Missing teeth? (result from screening) 7 Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | Not recorded | 4 | | | | | | |
| Yes 22 20±8 No 87 80±8 Not recorded 2 Where is pain? (for those with pain) (response to question) Teeth Teeth 11 79±23 Other 3 21±23 Not recorded 8 7±5 Edentulous? (result from screening) 8 7±5 No 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 65±9 No Recorded 7 7 Missing teeth? (result from screening) 7 Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | Pain inside mouth? (response to question) | | | | | | | |
| No 87 80±8 Not recorded 2 Where is pain? (for those with pain) (response to question) 7 Teeth 11 79±23 Other 3 21±23 Not recorded 8 8 Edentulous? (result from screening) 8 7±5 No 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 7 Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | ` · · · / | 22 | 20±8 | | | | | |
| Where is pain? (for those with pain) (response to question) 11 79±23 Other 3 21±23 Not recorded 8 Edentulous? (result from screening) 8 7±5 No 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | No | 87 | | | | | | |
| Teeth Other 11 79±23 Other 3 21±23 Not recorded 8 Edentulous? (result from screening) 7±5 No 101 93±5 No t recorded 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | Not recorded | 2 | | | | | | |
| Teeth Other 11 79±23 Other 3 21±23 Not recorded 8 Edentulous? (result from screening) 7±5 No 101 93±5 No t recorded 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | | | | | | | | |
| Other 3 21±23 Not recorded 8 Edentulous? (result from screening) 7±5 No 101 93±5 Not recorded 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 10flammation? (result from screening) Yes 58 60±10 No 39 40±10 | . , , , , , , , , , , , , , , , , , , , | 11 | 79±23 | | | | | |
| Not recorded 8 Edentulous? (result from screening) 8 7±5 No 101 93±5 Not recorded 2 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | | | | | | | | |
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| Yes 8 7±5 No 101 93±5 Not recorded 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 7 Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | Edentulous? (result from screening) | | | | | | | |
| No 101 93±5 Not recorded 2 Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 7 Inflammation? (result from screening) 58 60±10 Yes 58 60±10 No 39 40±10 | , | 8 | 7±5 | | | | | |
| Caries experience? (result from screening) 87 83±7 No 18 17±7 Not Recorded 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 7 Inflammation? (result from screening) 58 60±10 Yes 58 60±10 No 39 40±10 | | 101 | 93±5 | | | | | |
| Yes 87 83±7 No 18 17±7 Not Recorded 6 6 Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 7 Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | Not recorded | 2 | | | | | | |
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| Untreated decay? (result from screening) 68 65±9 No 36 35±9 Not Recorded 7 Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 58 60±10 No 39 40±10 | No | 18 | 17±7 | | | | | |
| Yes 68 65±9 No 36 35±9 Not Recorded 7 Missing teeth? (result from screening) 7 Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | Not Recorded | 6 | | | | | | |
| Yes 68 65±9 No 36 35±9 Not Recorded 7 Missing teeth? (result from screening) 7 Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | Untreated decay? (result from screening) | | | | | | | |
| Not Recorded 7 Missing teeth? (result from screening) 55 Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 7 Yes 58 60±10 No 39 40±10 | | 68 | 65±9 | | | | | |
| Missing teeth? (result from screening) 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 58 60±10 No 39 40±10 | No | 36 | 35±9 | | | | | |
| Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) The screening of the screeni | Not Recorded | 7 | | | | | | |
| Yes 55 53±10 No 49 47±10 Not Recorded 7 Inflammation? (result from screening) The screening of the screeni | Missing teeth? (result from screening) | | | | | | | |
| No 49 47±10 Not Recorded 7 Inflammation? (result from screening) 58 60±10 No 39 40±10 | | 55 | 53±10 | | | | | |
| Inflammation? (result from screening) 58 60±10 No 39 40±10 | No | | 47±10 | | | | | |
| Inflammation? (result from screening) 58 60±10 Yes 39 40±10 | Not Recorded | 7 | | | | | | |
| Yes 58 60±10 No 39 40±10 | | | | | | | | |
| No 39 40±10 | , | 58 | 60±10 | | | | | |
| | | | | | | | | |
| | Not Recorded | | | | | | | |

⁽¹⁾ Information recorded the day of the screening

All non-recorded and "Refused screening" entries treated as missing data

⁽²⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided only to give an indication of variability.

| Table 5. Desert Regional Center – Summary of Screening Results (2 of 2) | | | | | | | |
|---|--------------------|-----------------------|--|--|--|--|--|
| Screening Results | Sample Size (1) | % ± CI ⁽²⁾ | | | | | |
| Inflammation level (for those with inflammation) (result from | | | | | | | |
| screening) | | | | | | | |
| Mild | 28 | 51±14 | | | | | |
| Moderate | 22 | 40±13 | | | | | |
| Severe | 5 | 9±8 | | | | | |
| Not Recorded | 3 | | | | | | |
| Calculus present? (result from screening) | | | | | | | |
| Yes | 83 | 79±8 | | | | | |
| No | 22 | 21±8 | | | | | |
| Not Recorded | 6 | | | | | | |
| Suspicious soft tissue lesions? (result from screening) | | | | | | | |
| Yes | 6 | 6±5 | | | | | |
| No | 98 | 94±5 | | | | | |
| Not Recorded | 7 | | | | | | |
| Treatment urgency | | | | | | | |
| No obvious problems | 44 | 40±9 | | | | | |
| Needs restorative care | 57 | 51±9 | | | | | |
| Urgent Care | 10 | 9±5 | | | | | |
| Not recorded | 0 | | | | | | |
| Urgent Care category | | | | | | | |
| - Pain | 2 | 29±37 | | | | | |
| - Swelling | 3 | 43±46 | | | | | |
| - Suspicious lesion | 1 | 14±25 | | | | | |
| - Pain & Swelling | 1 | 14±25 | | | | | |
| - Not recorded | 3 | | | | | | |
| How difficult was it to screen the client? (result from | | | | | | | |
| screening) | | | | | | | |
| Not difficult at all | 84 | 76±8 | | | | | |
| Mildly difficult | 15 | 14±6 | | | | | |
| Moderately difficult | 10 | 9±5 | | | | | |
| Very difficult | 2 | 2±2 | | | | | |
| Not Recorded | 0 | | | | | | |

⁽¹⁾ Information recorded the day of the screening

All non-recorded and "Refused screening" entries treated as missing data

⁽²⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided only to give an indication of variability.

| Table 6. Desert Regional Center – Time Since Last Visit to Dentist or Dental Clinic by Selected Variables | | | | | | | | |
|---|--------------------|----|-----------------------|----|-----------------------|----|-----------------------|---|
| Within the past year Within the past 3 years 3 or more years | | | | | | | | |
| Selected Variables | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | N |
| Total | Total | 70 | 67±9 | 27 | 25±8 | 10 | 9±6 | 0 |
| Gender | Male | 40 | 67±12 | 13 | 22±11 | 7 | 12±8 | 0 |
| | Female | 30 | 64±14 | 14 | 30±13 | 3 | 6±7 | 0 |
| Race | White/Non-Hisp | 47 | 63±11 | 22 | 29±10 | 6 | 8±6 | 0 |
| | Minority | 22 | 71±16 | 5 | 16±13 | 4 | 13±12 | 0 |
| Education | Less Than H.S. | 34 | 64±13 | 15 | 28±12 | 4 | 8±7 | 0 |
| | H.S. or G.E.D | 30 | 68±14 | 9 | 20±12 | 5 | 11±10 | 0 |
| | Some Post-H.S. | 0 | | 0 | | 0 | | 0 |
| | College Graduate | 0 | | 1 | 100±0 | 0 | | 0 |
| Smoking | Never Smoked | 35 | 59±13 | 18 | 31±12 | 6 | 10±8 | 0 |
| Status | Quit Smoking | 1 | 33±55 | 2 | 67±55 | 0 | | 0 |
| | Currently Smoke | 4 | 67±39 | 0 | | 2 | 33±39 | 0 |
| Health Care | Has Coverage | 54 | 62±10 | 25 | 29±10 | 8 | 9±6 | 0 |
| Coverage | No Coverage | 16 | 80±18 | 2 | 10±13 | 2 | 10±13 | 0 |
| Dental Care | Has Coverage | 33 | 58±13 | 20 | 35±13 | 4 | 7±7 | 0 |
| Coverage | No Coverage | 37 | 76±12 | 6 | 12±9 | 6 | 12±9 | 0 |
| How often | once or more a day | 54 | 64±10 | 22 | 26±9 | 9 | 11±7 | 0 |
| clean your | 2 - 6 times a week | 2 | 50±50 | 2 | 50±50 | 0 | | 0 |
| mouth | Once a week | 3 | 100 | 0 | | 0 | | 0 |
| | < once a week | 2 | 67±54 | 1 | 33±54 | 0 | | 0 |
| | Not sure | 6 | 75±31 | 1 | 13±23 | 1 | 13±23 | 0 |
| | Yes | 15 | 68±20 | 3 | 14±15 | 4 | 18±16 | 0 |
| Pain in mouth | No | 54 | 65±10 | 23 | 28±10 | 6 | 7±6 | 0 |

⁽¹⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

Missing data excluded from summary

| Table 7. Desert Regional Center – Caries Experience and Untreated Decay by Selected Variables | | | | | | | | | | |
|---|--------------------|--|-------|----|-----------------------|--|----|-----------------------|----|-----------------------|
| | | Has Caries Experience No Caries Experience | | | Has Untreated Decay | | | No Untreated Decay | | |
| Selected Variables | | N % ± CI (1) | | N | % ± CI ⁽¹⁾ | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ |
| Total | Total | 87 | 83±7 | 18 | 17±7 | | 68 | 65±9 | 36 | 35±9 |
| Gender | Male | 48 | 81±10 | 11 | 19±10 | | 44 | 76±11 | 14 | 24±11 |
| | Female | 39 | 85±11 | 7 | 15±11 | | 24 | 52±15 | 22 | 48±15 |
| Race | White/Non-Hisp | 62 | 86±8 | 10 | 14±8 | | 45 | 63±11 | 27 | 38±11 |
| | Minority | 24 | 80±15 | 6 | 20±15 | | 21 | 72±17 | 8 | 28±17 |
| Education | Less Than H.S. | 43 | 86±10 | 7 | 14±10 | | 29 | 58±14 | 21 | 42±14 |
| | H.S. or G.E.D | 37 | 84±11 | 7 | 16±11 | | 30 | 70±14 | 13 | 30±14 |
| | Some Post-H.S. | 0 | | 0 | | | 0 | | 0 | |
| | College Graduate | 1 | 100 | 0 | | | 1 | 100 | 0 | |
| | Never Smoked | 48 | 89±9 | 6 | 11±9 | | 36 | 65±13 | 19 | 35±13 |
| Smoking Status | Quit Smoking | 1 | 33±55 | 2 | 67±55 | | 1 | 33±55 | 2 | 67±55 |
| | Currently Smoke | 4 | 57±38 | 3 | 43±38 | | 4 | 67±39 | 2 | 33±39 |
| | Has Coverage | 68 | 83±8 | 14 | 17±8 | | 51 | 63±11 | 30 | 37±11 |
| Health Care Coverage | No Coverage | 18 | 90±13 | 2 | 10±13 | | 15 | 75±19 | 5 | 25±19 |
| | Has Coverage | 44 | 83±10 | 9 | 17±10 | | 37 | 71±13 | 15 | 29±13 |
| Dental Care Coverage | No Coverage | 41 | 85±10 | 7 | 15±10 | | 28 | 58±14 | 20 | 42±14 |
| | once or more a day | 74 | 84±8 | 14 | 16±8 | | 59 | 68±10 | 28 | 32±10 |
| How often do you clean | 2 - 6 times a week | 3 | 75±43 | 1 | 25±43 | | 2 | 50±50 | 2 | 50±50 |
| your mouth | Once a week | 3 | 100 | 0 | | | 1 | 33±54 | 2 | 67±54 |
| | < once a week | 0 | | 2 | 100 | | 0 | | 2 | 100 |
| | Not sure | 4 | 100 | 0 | | | 4 | 100 | 0 | |
| | Yes | 19 | 86±15 | 3 | 14±15 | | 16 | 73±19 | 6 | 27±19 |
| Pain in mouth | No | 66 | 81±9 | 15 | 19±9 | | 50 | 63±11 | 30 | 38±11 |

⁽¹⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

Missing data excluded from summary

| | Table 8. Desert Regional Center – Missing Teeth and Edentulous by Selected Variable | | | | | | | | | |
|------------------------|--|----|-----------------------|-------------------|-----------------------|--|------------|-----------------------|-----|-----------------------|
| | | ls | Missing Teeth | Not Missing Teeth | | | Edentulous | | No | t Edentulous |
| Selected Variables | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | | N | % ± Cl ⁽¹⁾ | N | % ± CI ⁽¹⁾ |
| Total | Total | 55 | 53±10 | 49 | 47±10 | | 8 | 7±5 | 101 | 93±5 |
| Gender | Male | 32 | 54±13 | 27 | 46±13 | | 4 | 7±6 | 57 | 93±6 |
| | Female | 23 | 51±15 | 22 | 49±15 | | 4 | 8±8 | 44 | 92±8 |
| Race | White/Non-Hisp | 41 | 57±12 | 31 | 43±12 | | 5 | 7±6 | 69 | 93±6 |
| | Minority | 13 | 45±18 | 16 | 55±18 | | 3 | 9±10 | 29 | 91±10 |
| Education | Less Than H.S. | 29 | 58±14 | 21 | 42±14 | | 6 | 11±9 | 47 | 89±9 |
| | H.S. or G.E.D | 21 | 49±15 | 22 | 51±15 | | 1 | 2±5 | 42 | 98±5 |
| | Some Post-H.S. | 0 | | 0 | | | 0 | | 0 | |
| | College Graduate | 1 | 100 | 0 | | | 0 | | 1 | 100 |
| | Never Smoked | 26 | 48±14 | 28 | 52±14 | | 4 | 7±7 | 54 | 93±7 |
| Smoking Status | Quit Smoking | 1 | 33±55 | 2 | 67±55 | | 0 | | 3 | 100±0 |
| | Currently Smoke | 5 | 83±31 | 1 | 17±31 | | 1 | 14±27 | 6 | 86±27 |
| | Has Coverage | 43 | 52±11 | 39 | 48±11 | | 7 | 8±6 | 79 | 92±6 |
| Health Care Coverage | No Coverage | 11 | 58±23 | 8 | 42±23 | | 1 | 5±10 | 19 | 95±10 |
| | Has Coverage | 28 | 53±14 | 25 | 47±14 | | 6 | 11±8 | 50 | 89±8 |
| Dental Care Coverage | No Coverage | 25 | 53±15 | 22 | 47±15 | | 2 | 4±6 | 47 | 96±6 |
| | once or more a day | 46 | 52±11 | 42 | 48±11 | | 0 | | 87 | 100 |
| How often do you clean | 2 - 6 times a week | 3 | 75±43 | 1 | 25±43 | | 0 | | 4 | 100 |
| your mouth | Once a week | 1 | 33±54 | 2 | 67±54 | | 0 | | 3 | 100 |
| | < once a week | 0 | | 1 | 100 | | 2 | 67±54 | 1 | 33±54 |
| | Not sure | 4 | 100 | 0 | | | 5 | 63±34 | 3 | 38±34 |
| | Yes | 10 | 45±21 | 12 | 55±21 | | 0 | | 21 | 100 |
| Pain in mouth | No | 43 | 54±11 | 37 | 46±11 | | 8 | 9±6 | 78 | 91±6 |

⁽¹⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

| | | | ole 9. Desert F | | | | , | | | |
|------------------------|--------------------|-------|-----------------------|--------------|-----------------------------|-------|------------------|-----------------------|-------|-----------------------|
| | Visible Inflai | mmati | on and Visible | | ulus by Selec No Visible | ted V | ariabl | es | 1 | |
| | | Visib | le Inflammation | Inflammation | | | Visible Calculus | | No Vi | isible Calculus |
| Selected Variables | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | | Ν | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ |
| Total | Total | 58 | 60±10 | 39 | 40±10 | | 83 | 79±8 | 22 | 21±8 |
| Gender | Male | 37 | 69±13 | 17 | 31±13 | | 50 | 85±9 | 9 | 15±9 |
| | Female | 21 | 49±15 | 22 | 51±15 | | 33 | 72±13 | 13 | 28±13 |
| Race | White/Non-Hisp | 38 | 57±12 | 29 | 43±12 | | 56 | 77±10 | 17 | 23±10 |
| | Minority | 18 | 67±18 | 9 | 33±18 | | 25 | 86±13 | 4 | 14±13 |
| Education | Less Than H.S. | 26 | 53±14 | 23 | 47±14 | | 37 | 74±12 | 13 | 26±12 |
| | H.S. or G.E.D | 23 | 64±16 | 13 | 36±16 | | 37 | 86±11 | 6 | 14±11 |
| | Some Post-H.S. | 0 | | 0 | | | 0 | | 0 | |
| | College Graduate | 1 | 100 | 0 | | | 0 | | 1 | 100 |
| | Never Smoked | 32 | 59±13 | 22 | 41±13 | | 42 | 76±12 | 13 | 24±12 |
| Smoking Status | Quit Smoking | 1 | 50±71 | 1 | 50±71 | | 3 | 100 | 0 | |
| | Currently Smoke | 4 | 67±39 | 2 | 33±39 | | 3 | 50±41 | 3 | 50±41 |
| | Has Coverage | 44 | 59±11 | 31 | 42±11 | | 70 | 84±8 | 13 | 16±8 |
| Health Care Coverage | No Coverage | 12 | 63±22 | 7 | 37±22 | | 11 | 58±23 | 8 | 42±23 |
| | Has Coverage | 32 | 64±14 | 18 | 36±14 | | 46 | 87±9 | 7 | 13±9 |
| Dental Care Coverage | No Coverage | 23 | 53±15 | 20 | 47±15 | | 34 | 71±13 | 14 | 29±13 |
| | once or more a day | 51 | 60±11 | 34 | 40±11 | | 69 | 78±9 | 20 | 22±9 |
| How often do you clean | 2 - 6 times a week | 2 | 100 | 0 | | | 4 | 100 | 0 | |
| your mouth | Once a week | 1 | 33±54 | 2 | 67±54 | | 3 | 100 | 0 | |
| | < once a week | 0 | | 1 | 100 | | 1 | 100 | 0 | |
| | Not sure | 3 | 75±43 | 1 | 25±43 | | 3 | 75±43 | 1 | |
| | Yes | 11 | 55±22 | 9 | 45±22 | | 17 | 77±18 | 5 | 23±18 |
| Pain in mouth | No | 46 | 61±11 | 29 | 39±11 | | 64 | 79±9 | 17 | 21±9 |

⁽¹⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

| | Table 10. Desert Regional Center – Treatment Urgency by Selected Variable | | | | | | | | | |
|----------------------|---|-------|-----------------------|-------|-----------------------|----|-----------------------|--|--|--|
| | | No Ob | vious Problem | Needs | Restorative Care | Ur | gent Care | | | |
| Selected Variables | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | | | |
| Total | Total | 44 | 40±9 | 57 | 51±9 | 10 | 9±5 | | | |
| Gender | Male | 19 | 31±12 | 37 | 60±12 | 6 | 10±7 | | | |
| | Female | 25 | 51±14 | 20 | 41±14 | 4 | 8±8 | | | |
| Race | White/Non-Hisp | 33 | 43±11 | 39 | 51±11 | 4 | 5±5 | | | |
| | Minority | 10 | 31±16 | 16 | 50±18 | 6 | 19±14 | | | |
| Education | Less Than H.S. | 24 | 44±13 | 25 | 46±14 | 5 | 9±8 | | | |
| | H.S. or G.E.D | 16 | 36±14 | 23 | 52±15 | 5 | 11±10 | | | |
| | Some Post-H.S. | 0 | | 0 | | 0 | | | | |
| | College Graduate | 0 | | 1 | 100 | 0 | | | | |
| | Never Smoked | 24 | 41±13 | 30 | 51±13 | 5 | 8±7 | | | |
| Smoking Status | Quit Smoking | 2 | 67±55 | 1 | 33±55 | 0 | | | | |
| | Currently Smoke | 3 | 43±38 | 4 | 57±38 | 0 | | | | |
| | Has Coverage | 37 | 42±10 | 44 | 50±11 | 7 | 8±6 | | | |
| Health Care Coverage | No Coverage | 6 | 30±20 | 11 | 55±22 | 3 | 15±16 | | | |
| | Has Coverage | 21 | 36±13 | 33 | 57±13 | 4 | 7±7 | | | |
| Dental Care Coverage | No Coverage | 22 | 45±14 | 21 | 43±14 | 6 | 12±9 | | | |
| | once or more a day | 33 | 37±10 | 48 | 54±11 | 8 | 9±6 | | | |
| How often clean your | 2 - 6 times a week | 1 | 25±43 | 2 | 50±50 | 1 | 25±43 | | | |
| mouth | Once a week | 2 | 67±54 | 1 | 33±54 | 0 | | | | |
| | < once a week | 3 | 100 | 0 | | 0 | | | | |
| | Not sure | 3 | 38±34 | 4 | 50±35 | 1 | 13±23 | | | |
| | Yes | 7 | 32±20 | 11 | 50±21 | 4 | 18±16 | | | |
| Pain in mouth | No | 37 | 43±11 | 44 | 51±11 | 6 | 7±5 | | | |

⁽¹⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

Missing data excluded from summary

| | | Den | tal Coverage | No De | ental Coverage | | White | | Minority |
|--------------------|------------------|-----|-----------------------|-------|-----------------------|--------|-----------------------|----|-----------------------|
| Selected Variables | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ |
| Total | Total | 58 | 54±10 | 49 | 46±10 | 76 | 70±9 | 32 | 30±9 |
| Gender | Male | 31 | 52±13 | 29 | 48±13 | 41 | 68±12 | 19 | 32±12 |
| | Female | 27 | 57±14 | 20 | 43±14 | 35 | 73±13 | 13 | 27±13 |
| Race | White/Non-Hisp | 39 | 50±11 | 38 | 50±11 | | | | |
| | Minority | 19 | 63±18 | 11 | 37±18 | | | | |
| Education | Less Than H.S. | 31 | 58±14 | 22 | 42±14 | 39 | 72±12 | 15 | 28±12 |
| | H.S. or G.E.D | 19 | 43±15 | 25 | 57±15 | 31 | 70±14 | 13 | 30±14 |
| | Some Post-H.S. | 0 | | 0 | | 0 | | 0 | |
| | College Graduate | 1 | 100 | 0 | | 1 | 100 | 0 | |
| | Never Smoked | 39 | 67±12 | 19 | 33±12 | 39 | 66±12 | 20 | 34±12 |
| Smoking Status | Quit Smoking | 1 | 33±55 | 2 | 67±55 | 2 | 67±55 | 1 | 33±55 |
| | Currently Smoke | 3 | 43±38 | 4 | 57±38 | 2 | 33±39 | 4 | 67±39 |
| Health Care | Has Coverage | 57 | 66±10 | 30 | 34±10 | 64 | 71±10 | 25 | 29±10 |
| Coverage | No Coverage | 1 | 5±10 | 19 | 95±10 | 14 | 70±20 | 6 | 30±20 |
| Dental Care | Has Coverage | | | | | 38 | 67±12 | 19 | 33±12 |
| Coverage | No Coverage | | | | | 38 | 78±12 | 11 | 22±12 |
| | No Access | 13 | 46±19 | 15 | 54±19 | 18 | 62±18 | 11 | 38±18 |
| Needed Dental Care | Access | 42 | 58±12 | 30 | 42±12 | 52 | 73±10 | 19 | 27±10 |
| | Yes | 10 | 45±21 | 12 | 55±21 | 15 | 68±20 | 7 | 32±20 |
| Pain in mouth | No | 47 | 57±11 | 36 | 43±11 | 59 | 70±10 | 25 | 30±10 |
| Age | Years | 58 | 34.1±4 | 49 | 38.2±4 | 76 | 36.6±3 | 32 | 35.4±5 |

Data for Rawson-Neal Psychiatric Hospital

| Table 12. Rawson-Neal F Summary of Demogr | | |
|--|-----------------|-----------------------|
| Summary or Bernog. | | ·· |
| Demographic Characteristic | Sample Size (1) | % ± CI ⁽²⁾ |
| Age (average in years) | 38 | 41.1±4 |
| Did not answer | 0 | |
| By Gender | | |
| Male | 24 | 63±16 |
| Female | 14 | 37±16 |
| Did not answer | 0 | |
| By Race/Ethnicity | | |
| White | 24 | 63±16 |
| Minority | 14 | 37±16 |
| Did not answer | 0 | |
| By Education | | |
| Less than High School | 8 | 21±14 |
| High School graduate or G.E.D. | 17 | 45±17 |
| Some Post High School | 8 | 21±14 |
| College graduate | 5 | 13±11 |
| Did not answer | 0 | |
| By Smoking | | |
| Never smoked | 10 | 34±18 |
| Quit smoking | 13 | 45±19 |
| Currently smoke | 6 | 21±16 |
| Did not answer ⁽³⁾ | 9 | |
| By Medical Insurance | | |
| Insured | 7 | 19±13 |
| No insurance | 30 | 81±13 |
| Did not answer | 1 | |
| By Dental Insurance | | |
| Insured | 5 | 14±12 |
| No insurance | 31 | 86±12 |
| Did not answer | 2 | |

⁽¹⁾ Information from demographic questionnaire filled out prior to day of screening.

All entries without an answer are treated as missing data

⁽²⁾ Samples are not statistical but samples of convenience, confidence intervals (CI) provided only to give an indication of variability.

⁽³⁾ The large number of "Did not answer" may be due to the design of the questionnaire and not a refusal by the participant to answer.

| Table 13. Rawson-Neal Psychiatric Summary of Oral Health Que | | - |
|---|----------|-----------------------|
| Summary of Oral Health Que | Sample | |
| Oral Health Questions | Size (1) | % ± CI ⁽²⁾ |
| How long since your last dental visit | | |
| With in past year | 7 | 19±13 |
| More than 1 year, no more than 3 years ago | 18 | 49±17 |
| More than 3 years ago | 11 | 30±15 |
| Never been to dentist | 1 | 3±4 |
| Did not answer | 1 | |
| Main reason for last dental visit | | |
| Routine check-up or cleaning | 11 | 32±17 |
| Called in by dentist for check-up or cleaning | 3 | 9±9 |
| Something was wrong or hurting | 11 | 32±17 |
| Follow-up visit from prior visit | 4 | 12±11 |
| Other | 5 | 15±13 |
| Never been to dentist | 0 | |
| Did not answer | 4 | |
| Difficulty accessing dental care | | |
| Yes | 25 | 63±16 |
| No | 15 | 34±16 |
| Did not answer | 1 | |
| Reason for difficulty (3) | | |
| Could not afford it | 20 | |
| No insurance | 11 | |
| Dentist did not accept Medicaid/insurance | 2 | |
| Speak a different language | 0 | |
| Wait is too long in clinic/office | 1 | |
| Health of another family member | 0 | |
| Difficulty in getting appointment | 1 | |
| No way to get there | 2 | |
| Didn't know where to go | 1 | |
| No dentist available | 0 | |
| Not a serious enough problem | 0 | |
| Dentist hours are not convenient | 0 | |
| Don't like/believe in dentists | 0 | |
| Other reason | 3 | |

⁽¹⁾ Information from demographic questionnaire filled out prior to day of screening intervals provided only to give an indication of variability.

All entries without an answer are treated as missing data

⁽²⁾ Samples are not statistical but samples of convenience, confidence intervals (CI) provided only to give an indication of variability.

⁽³⁾ Only those who responded yes to question: "In the past year was there a time when you could not get dental care?" Respondent allowed to select multiple reasons.

| Table 14. Rawson-Neal Psychiatric Hospital – Summary of Screening Results (1 of 2) | | | | | | | | | |
|---|--------------------|-----------------------|--|--|--|--|--|--|--|
| Screening Results | Sample Size (1) | % ± CI ⁽²⁾ | | | | | | | |
| How often do you clean your mouth? (response to question) | | | | | | | | | |
| One or more times a day | 33 | 87±11 | | | | | | | |
| 2 to 6 times a week | 1 | 3±4 | | | | | | | |
| Once a week | 2 | 5±6 | | | | | | | |
| Less than once a week | 2 | 5±6 | | | | | | | |
| Not sure | 0 | | | | | | | | |
| Not recorded | 0 | | | | | | | | |
| Pain inside mouth? (response to question) | | | | | | | | | |
| Yes | 9 | 24±14 | | | | | | | |
| No | 29 | 76±14 | | | | | | | |
| Not recorded | 0 | | | | | | | | |
| Where is pain? (for those with pain) (response to question) | | | | | | | | | |
| Teeth | 2 | 100±0 | | | | | | | |
| Other | 0 | | | | | | | | |
| Not recorded | 7 | | | | | | | | |
| Edentulous? (result from screening) | | | | | | | | | |
| Yes | 3 | 8±8 | | | | | | | |
| No | 35 | 92±8 | | | | | | | |
| Not recorded | 0 | | | | | | | | |
| Caries experience? (result from screening) | | | | | | | | | |
| Yes | 33 | 89±11 | | | | | | | |
| No | 4 | 11±11 | | | | | | | |
| Not Recorded | 1 | | | | | | | | |
| Untreated decay? (result from screening) | | | | | | | | | |
| Yes | 25 | 68±16 | | | | | | | |
| No | 12 | 32±16 | | | | | | | |
| Not Recorded | 1 | | | | | | | | |
| Missing teeth? (result from screening) | | | | | | | | | |
| Yes | 26 | 72±15 | | | | | | | |
| No | 10 | 28±15 | | | | | | | |
| Not Recorded | 2 | | | | | | | | |
| Inflammation? (result from screening) | | | | | | | | | |
| Yes | 26 | 74±15 | | | | | | | |
| No | 9 | 26±15 | | | | | | | |
| Not Recorded | 3 | | | | | | | | |

⁽¹⁾ Information recorded the day of the screening

All non-recorded and "Refused screening" entries treated as missing data

⁽²⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided only to give an indication of variability.

| Table 14. Rawson-Neal Psychiatric Hospital – Summary of Screening Results (2 of 2) | | | | | | | | | |
|--|--------------------|-----------------------|--|--|--|--|--|--|--|
| Screening Results | Sample Size (1) | % ± CI ⁽²⁾ | | | | | | | |
| Inflammation level (for those with inflammation) (result from | | | | | | | | | |
| screening) | | | | | | | | | |
| Mild | 14 | 58±21 | | | | | | | |
| Moderate | 8 | 33±20 | | | | | | | |
| Severe | 2 | 8±10 | | | | | | | |
| Not Recorded | 2 | | | | | | | | |
| Calculus present? (result from screening) | | | | | | | | | |
| Yes | 33 | 89±11 | | | | | | | |
| No | 4 | 11±11 | | | | | | | |
| Not Recorded | 1 | | | | | | | | |
| Suspicious soft tissue lesions? (result from screening) | | | | | | | | | |
| Yes | 1 | 3±4 | | | | | | | |
| No | 36 | 97±4 | | | | | | | |
| Not Recorded | 1 | | | | | | | | |
| Treatment urgency | | | | | | | | | |
| No obvious problems | 8 | 21±14 | | | | | | | |
| Needs restorative care | 28 | 74±15 | | | | | | | |
| Urgent Care | 2 | 5±6 | | | | | | | |
| Not recorded | 0 | | | | | | | | |
| Urgent Care category | | | | | | | | | |
| - Pain | 1 | 50 | | | | | | | |
| - Swelling | 1 | 50 | | | | | | | |
| - Suspicious lesion | 0 | 0 | | | | | | | |
| - Pain & Swelling | 0 | 0 | | | | | | | |
| - Not recorded | 0 | | | | | | | | |
| How difficult was it to screen the client? (result from | | | | | | | | | |
| screening) | | | | | | | | | |
| Not difficult at all | 38 | 100 | | | | | | | |
| Mildly difficult | 0 | 0 | | | | | | | |
| Moderately difficult | 0 | 0 | | | | | | | |
| Very difficult | 0 | 0 | | | | | | | |
| Not Recorded | 0 | | | | | | | | |

⁽¹⁾ Information recorded the day of the screening

All non-recorded and "Refused screening" entries treated as missing data

⁽²⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided only to give an indication of variability.

| | Table Time Since Last \ | | son-Neal Psy entist or Dent | | | ariables | S | |
|---------------|----------------------------|------|--------------------------------|----------|-----------------------|----------|-----------------------|-------|
| | | With | in the past year | Within t | the past 3 years | 3 01 | r more years | Never |
| Selected Vari | ables | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | N |
| Total | Total | 7 | 19±13 | 27 | 25±8 | 10 | 9±6 | 0 |
| Gender | Male | 3 | 13±14 | 13 | 22±11 | 7 | 12±8 | 0 |
| | Female | 4 | 28±25 | 14 | 30±13 | 3 | 6±7 | 0 |
| Race | White/Non-Hisp | 2 | 8±12 | 22 | 29±10 | 6 | 8±6 | 0 |
| | Minority | 5 | 38±28 | 5 | 16±13 | 4 | 13±12 | 0 |
| Education | Less Than H.S. | 1 | 13±24 | 15 | 28±12 | 4 | 8±7 | 0 |
| | H.S. or G.E.D | 3 | 19±20 | 9 | 20±12 | 5 | 11±10 | 0 |
| | Some Post-H.S. | 2 | 25±31 | 0 | | 0 | | 0 |
| | College Graduate | 1 | 20±37 | 1 | 100 | 0 | | 0 |
| Smoking | Never Smoked | 1 | 10±20 | 18 | 31±12 | 6 | 10±8 | 0 |
| Status | Quit Smoking | 2 | 15±21 | 2 | 67±55 | 0 | | 0 |
| | Currently Smoke | 2 | 40±46 | 0 | | 2 | 33±39 | 0 |
| Health Care | Has Coverage | 4 | 57±39 | 25 | 29±10 | 8 | 9±6 | 0 |
| Coverage | No Coverage | 3 | 10±12 | 2 | 10±13 | 2 | 10±13 | 0 |
| Dental Care | Has Coverage | 2 | 40±45 | 20 | 35±13 | 4 | 7±7 | 0 |
| Coverage | No Coverage | 4 | 13±13 | 6 | 12±9 | 6 | 12±9 | 0 |
| How often | once or more a day | 7 | 22±15 | 22 | 26±9 | 9 | 11±7 | 0 |
| clean your | 2 - 6 times a week | 0 | 0 | 2 | 50±50 | 0 | | 0 |
| mouth | Once a week | 0 | 0 | 0 | | 0 | | 0 |
| | < once a week | 0 | 0 | 1 | 33±54 | 0 | | 0 |
| | Not sure | 0 | 0 | 1 | 13±23 | 1 | 13±23 | 0 |
| | Yes | 1 | 11±22 | 3 | 14±15 | 4 | 18±16 | 0 |
| Pain in mouth | No | 6 | 21±16 | 23 | 28±10 | 6 | 7±6 | 0 |

⁽¹⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

| | Table 16. Rawson-Neal Psychiatric Hospital – Caries Experience and Untreated Decay by Selected Variables | | | | | | | | | | |
|------------------------|--|----|-----------------------|---|-----------------------|---------|----|-----------------------|------|-----------------------|--|
| | | | aries Experience | | aries Experience | | | Intreated Decay | No U | ntreated Decay | |
| Selected Variables | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | |
| Total | Total | 33 | 89±10 | 4 | 11±10 | | 25 | 68±16 | 12 | 32±16 | |
| Gender | Male | 20 | 87±14 | 3 | 13±14 | \prod | 16 | 70±20 | 7 | 30±20 | |
| | Female | 13 | 93±14 | 1 | 7±14 | | 9 | 64±26 | 5 | 36±26 | |
| Race | White/Non-Hisp | 23 | 100 | 0 | | | 16 | 70±20 | 7 | 30±20 | |
| | Minority | 10 | 71±25 | 4 | 20±15 | | 9 | 64±26 | 5 | 36±26 | |
| Education | Less Than H.S. | 6 | 86±27 | 1 | 14±10 | | 5 | 71±35 | 2 | 29±35 | |
| | H.S. or G.E.D | 15 | 88±16 | 2 | 16±11 | | 11 | 65±24 | 6 | 35±24 | |
| | Some Post-H.S. | 7 | 88±24 | 1 | 13±24 | | 5 | 63±35 | 3 | 38±35 | |
| | College Graduate | 5 | 100 | 0 | | | 4 | 80±37 | 1 | 20±37 | |
| | Never Smoked | 7 | 70±30 | 3 | 30±30 | | 7 | 70±30 | 3 | 30±30 | |
| Smoking Status | Quit Smoking | 12 | 92±15 | 1 | 8±15 | | 7 | 54±29 | 6 | 46±29 | |
| | Currently Smoke | 5 | 100 | 0 | | | 3 | 60±46 | 2 | 40±46 | |
| | Has Coverage | 6 | 100 | 0 | | | 3 | 50±42 | 3 | 50±42 | |
| Health Care Coverage | No Coverage | 27 | 90±11 | 3 | 10±11 | | 21 | 70±17 | 9 | 30±17 | |
| | Has Coverage | 4 | 100 | 0 | | | 3 | 75±45 | 1 | 25±45 | |
| Dental Care Coverage | No Coverage | 28 | 90±11 | 3 | 10±11 | | 21 | 68±17 | 10 | 32±17 | |
| | once or more a day | 28 | 88±12 | 4 | 13±12 | П | 21 | 66±17 | 11 | 34±17 | |
| How often do you clean | 2 - 6 times a week | 1 | 100 | 0 | | | 0 | | 1 | 100 | |
| your mouth | Once a week | 2 | 100 | 0 | | | 2 | 100 | 0 | | |
| | < once a week | 2 | 100 | 0 | | | 2 | 100 | 0 | | |
| | Not sure | 0 | | 0 | | | 0 | | 0 | | |
| | Yes | 9 | 100 | 0 | | | 6 | 67±32 | 3 | 33±31 | |
| Pain in mouth | No | 24 | 86±14 | 4 | 14±14 | | 19 | 68±18 | 9 | 32±18 | |

⁽¹⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

| | | | Rawson-Nea th and Edentu | | | le | | | |
|------------------------|--------------------|----|-----------------------------|-----|-----------------------|----|-----------------------|----|-----------------------|
| | | Is | Missing Teeth | Not | Missing Teeth | | Edentulous | No | t Edentulous |
| Selected Variables | | N | % ± Cl ⁽¹⁾ | N | % ± CI ⁽¹⁾ | N | % ± Cl ⁽¹⁾ | N | % ± CI ⁽¹⁾ |
| Total | Total | 26 | 72±15 | 10 | 28±15 | 3 | 8±9 | 35 | 92±9 |
| Gender | Male | 15 | 68±20 | 7 | 32±20 | 1 | 4±8 | 23 | 96±8 |
| | Female | 11 | 79±23 | 3 | 21±23 | 2 | 14±19 | 12 | 86±19 |
| Race | White/Non-Hisp | 17 | 77±18 | 5 | 23±18 | 2 | 8±12 | 22 | 92±12 |
| | Minority | 9 | 64±26 | 5 | 36±26 | 1 | 7±14 | 13 | 93±14 |
| Education | Less Than H.S. | 4 | 67±40 | 2 | 33±40 | 2 | 25±31 | 6 | 75±31 |
| | H.S. or G.E.D | 11 | 65±24 | 6 | 35±24 | 1 | 6±12 | 16 | 94±12 |
| | Some Post-H.S. | 7 | 88±24 | 1 | 13±24 | 0 | | 8 | 100 |
| | College Graduate | 4 | 80±37 | 1 | 20±37 | 0 | | 5 | 100 |
| | Never Smoked | 6 | 60±32 | 4 | 40±32 | 2 | 20±26 | 8 | 80±26 |
| Smoking Status | Quit Smoking | 7 | 54±29 | 6 | 46±29 | 0 | | 13 | 100 |
| | Currently Smoke | 5 | 100 | 0 | | 1 | 17±32 | 5 | 83±32 |
| | Has Coverage | 5 | 83±31 | 1 | 17±31 | 1 | 14±27 | 6 | 86±27 |
| Health Care Coverage | No Coverage | 21 | 72±17 | 8 | 28±17 | 2 | 7±9 | 28 | 93±9 |
| | Has Coverage | 3 | 75±45 | 1 | 25±45 | 1 | 20±37 | 4 | 80±37 |
| Dental Care Coverage | No Coverage | 22 | 73±17 | 8 | 27±17 | 2 | 6±9 | 29 | 94±9 |
| | once or more a day | 24 | 77±15 | 7 | 23±15 | 3 | 9±10 | 30 | 91±10 |
| How often do you clean | 2 - 6 times a week | 0 | | 1 | 100 | 0 | | 1 | 100 |
| your mouth | Once a week | 1 | 50±73 | 1 | 50±73 | 0 | | 2 | 100 |
| | < once a week | 1 | 50±73 | 1 | 50±73 | 0 | | 2 | 100 |
| | Not sure | 0 | | 0 | | 0 | | 0 | |
| | Yes | 9 | 100 | 0 | | 1 | 11±22 | 8 | 89±22 |
| Pain in mouth | No | 17 | 63±19 | 10 | 37±19 | 2 | 7±10 | 27 | 93±10 |

⁽¹⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

| | | | Rawson-Neal | | | | | | | |
|------------------------|--------------------|-------|-----------------------|---|---------------------------|-------|------------------|-----------------------|------|-----------------------|
| | Visible Infla | mmati | on and Visible | | | ted V | ariabl | es | | |
| | | Visib | le Inflammation | | No Visible Iflammation | | Visible Calculus | | No V | isible Calculus |
| Selected Variables | | N | % ± CI ⁽¹⁾ | Ν | % ± CI ⁽¹⁾ | | Ν | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ |
| Total | Total | 26 | 74±15 | 9 | 26±15 | | 33 | 89±10 | 4 | 11±10 |
| Gender | Male | 17 | 81±18 | 4 | 19±18 | | 23 | 100 | 0 | |
| | Female | 9 | 64±26 | 5 | 36±26 | | 10 | 71±25 | 4 | 29±25 |
| Race | White/Non-Hisp | 16 | 76±19 | 5 | 24±19 | | 21 | 91±12 | 2 | 9±12 |
| | Minority | 10 | 71±25 | 4 | 29±25 | | 12 | 86±19 | 2 | 14±19 |
| Education | Less Than H.S. | 5 | 71±35 | 2 | 29±35 | | 5 | 71±35 | 2 | 29±35 |
| | H.S. or G.E.D | 12 | 75±22 | 4 | 25±22 | | 16 | 94±12 | 1 | 6±12 |
| | Some Post-H.S. | 5 | 71±35 | 2 | 29±35 | | 7 | 88±24 | 1 | 13±24 |
| | College Graduate | 4 | 80±37 | 1 | 20±37 | | 5 | 100 | 0 | |
| | Never Smoked | 4 | 44±35 | 5 | 56±35 | | 8 | 80±26 | 2 | 20±26 |
| Smoking Status | Quit Smoking | 11 | 92±17 | 1 | 8±17 | | 13 | 100 | 0 | |
| | Currently Smoke | 3 | 60±46 | 2 | 40±46 | | 3 | 60±46 | 2 | 40±46 |
| | Has Coverage | 4 | 67±40 | 2 | 33±40 | | 5 | 83±31 | 1 | 17±31 |
| Health Care Coverage | No Coverage | 21 | 75±17 | 7 | 25±17 | | 27 | 90±11 | 3 | 10±11 |
| | Has Coverage | 4 | 100 | 0 | | | 4 | 100 | 0 | |
| Dental Care Coverage | No Coverage | 21 | 72±17 | 8 | 28±17 | | 27 | 71±13 | 4 | 13±12 |
| | once or more a day | 22 | 73±17 | 8 | 27±17 | | 28 | 87±12 | 4 | 13±12 |
| How often do you clean | 2 - 6 times a week | 1 | 100 | 0 | | | 1 | 100 | 0 | |
| your mouth | Once a week | 1 | 50±73 | 1 | 50±73 | | 2 | 100 | 0 | |
| | < once a week | 2 | 100 | 0 | | | 2 | 100 | 0 | |
| | Not sure | 0 | | 0 | | | 0 | | 0 | |
| | Yes | 6 | 75±32 | 2 | 25±32 | | 8 | 89±22 | 1 | 11±22 |
| Pain in mouth | No | 20 | 74±17 | 7 | 26±17 | | 25 | 89±12 | 3 | 11±12 |

⁽¹⁾ Note: Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

| Table 19. Rawson-Neal Psychiatric Hospital – Treatment Urgency by Selected Variable | | | | | | | | |
|---|--------------------|--------------------|-----------------------|------------------------|-----------------------|-------------|-----------------------|--|
| | | No Obvious Problem | | Needs Restorative Care | | Urgent Care | | |
| Selected Variables | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | |
| Total | Total | 8 | 21±14 | 28 | 74±15 | 2 | 5±7 | |
| Gender | Male | 6 | 25±18 | 18 | 75±18 | 0 | | |
| | Female | 2 | 14±19 | 10 | 71±25 | 2 | 14±19 | |
| Race | White/Non-Hisp | 4 | 17±16 | 19 | 79±17 | 1 | 4±8 | |
| | Minority | 4 | 29±25 | 9 | 64±26 | 1 | 7±14 | |
| Education | Less Than H.S. | 2 | 25±31 | 6 | 75±31 | 0 | | |
| | H.S. or G.E.D | 3 | 18±19 | 14 | 83±19 | 0 | | |
| | Some Post-H.S. | 3 | 38±35 | 4 | 50±36 | 1 | 13±24 | |
| | College Graduate | 0 | | 4 | 80±37 | 1 | 20±37 | |
| | Never Smoked | 1 | 10±20 | 9 | 90±20 | 0 | | |
| Smoking Status | Quit Smoking | 4 | 31±27 | 8 | 62±28 | 1 | 8±15 | |
| | Currently Smoke | 3 | 50±43 | 3 | 50±43 | 0 | | |
| | Has Coverage | 3 | 43±38 | 4 | 57±38 | 0 | | |
| Health Care Coverage | No Coverage | 5 | 17±14 | 23 | 77±16 | 2 | 7±9 | |
| | Has Coverage | 2 | 40±45 | 3 | 60±45 | 0 | | |
| Dental Care Coverage | No Coverage | 6 | 19±15 | 23 | 74±16 | 2 | 6±9 | |
| | once or more a day | 7 | 21±15 | 24 | 73±16 | 2 | 6±9 | |
| How often clean your | 2 - 6 times a week | 1 | 100 | 0 | | 0 | | |
| mouth | Once a week | 0 | | 2 | 100 | 0 | | |
| | < once a week | 0 | | 2 | 100 | 0 | | |
| | Not sure | 0 | | 0 | | 0 | | |
| | Yes | 1 | 112±22 | 6 | 67±32 | 2 | 22±28 | |
| Pain in mouth | No | 7 | 24±16 | 22 | 76±16 | 0 | | |

⁽¹⁾ **Note:** Samples are not statistical but samples of convenience, confidence intervals (CI) provided to give an indication of variability.

| | | Der | Dental Coverage No Dental Coverage | | White | | Minority | | | |
|--------------------|------------------|-----|------------------------------------|----|-----------------------|--|----------|-----------------------|----|-----------------------|
| Selected Variables | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ | | N | % ± CI ⁽¹⁾ | N | % ± CI ⁽¹⁾ |
| Total | Total | 5 | 14±12 | 31 | 86±12 | | 24 | 63±16 | 14 | 37±16 |
| Gender | Male | 3 | 14±15 | 19 | 86±15 | | 16 | 67±20 | 8 | 33±20 |
| | Female | 2 | 14±19 | 12 | 86±19 | | 8 | 57±27 | 6 | 43±27 |
| Race | White/Non-Hisp | 2 | 9±12 | 21 | 91±12 | | | | | |
| | Minority | 3 | 23±24 | 10 | 77±24 | | | | | |
| Education | Less Than H.S. | 2 | 25±32 | 6 | 75±32 | | 4 | 50±36 | 4 | 50±36 |
| | H.S. or G.E.D | 0 | | 15 | 100 | | 11 | 65±24 | 6 | 35±24 |
| | Some Post-H.S. | 2 | 25±32 | 6 | 75±32 | | 6 | 75±31 | 2 | 25±31 |
| | College Graduate | 1 | 20±37 | 4 | 80±37 | | 3 | 60±45 | 2 | 40±45 |
| | Never Smoked | 0 | | 9 | 100 | | 5 | 50±33 | 5 | 50±33 |
| Smoking Status | Quit Smoking | 2 | 15±21 | 11 | 85±21 | | 10 | 77±24 | 3 | 23±24 |
| | Currently Smoke | 1 | 17±32 | 5 | 83±32 | | 4 | 67±40 | 2 | 33±40 |
| Health Care | Has Coverage | 5 | 83±31 | 1 | 17±31 | | 3 | 43±38 | 4 | 57±38 |
| Coverage | No Coverage | 0 | | 30 | 100 | | 21 | 70±17 | 9 | 30±17 |
| Dental Care | Has Coverage | | | | | | 2 | 40±45 | 3 | 60±45 |
| Coverage | No Coverage | | | | | | 21 | 68±17 | 10 | 32±17 |
| | No Access | 3 | 14±15 | 19 | 86±15 | | 16 | 70±20 | 7 | 30±20 |
| Needed Dental Care | Access | 2 | 14±19 | 12 | 86±19 | | 8 | 57±27 | 6 | 43±27 |
| | Yes | 1 | 13±24 | 7 | 88±24 | | 6 | 67±32 | 3 | 33±32 |
| Pain in mouth | No | 4 | 14±14 | 24 | 86±14 | | 18 | 62±19 | 11 | 38±19 |
| Age | Years | 5 | 37.0±7 | 31 | 42.1±5 | | 24 | 44.4±5 | 14 | 35.4±7 |